

What is claimed is:

1. A fluid treatment device comprising:
 - a. a housing for receiving a flow of fluid, said housing comprising a fluid inlet and a fluid outlet; and
 - b. at least one assembly comprising at least two UV sources disposed between said fluid inlet and said fluid outlet, said at least two UV sources being substantially parallel to one another wherein at least one of said at least two UV sources is disposed in a plane below such other lamps and operable at a power level higher than that of all such other lamps.
2. A fluid treatment device according to Claim 1, wherein said assembly corresponds to at least one baffle, said at least one baffle is operable to direct said flow of fluid into an area of the reactor such that said fluid will receive a substantially equal amount of UV irradiance from said UV sources.
3. A fluid treatment device according to Claims 1 or 2 wherein each said at least one assembly is operable independent of said each other at least one assemblies.
4. A fluid treatment device according to Claim 1 wherein a third said UV source is positioned downstream from a midpoint in said vertical line between said other at least two UV sources at a distance between 0.25 and 2 times the distance between said other two UV sources.
5. A fluid treatment device according to Claim 1 wherein three UV sources are positioned in a vertical plane followed by a fourth said UV source positioned downstream from a midpoint in said vertical line between a top and a middle three UV sources and a fifth said UV source is positioned downstream from a midpoint in said vertical line between said middle and bottom three UV sources, both of said fourth and fifth UV sources disposed at a distance between 0.25 and 2 times the distance between said top and middle and said middle and bottom UV sources.

6. A fluid treatment device according to Claim 4 wherein said at least one baffle is adapted to direct said flow of fluid such that about $1/6$ of said fluid flows above a top said at least one UV source, about $1/6$ of said fluid flows below a bottom said at least one UV source and about $2/3$ of said fluid flows between said top and bottom said at least one UV sources.

7. A fluid treatment device according to Claim 2 having two said UV sources in each said at least one assembly wherein said at least one baffle is adapted to direct said flow of fluid such that about $1/4$ of said fluid flows above a top said at least one UV source, $1/4$ of said fluid flows below a bottom said at least one UV source and $1/2$ of said fluid flows between said top and bottom said at least one UV sources.

8. A fluid treatment device according to Claim 1 wherein a ratio of said at least one lamp that is adapted to be run at a higher power to all such other lamps is from 1.0 to 2.0.

9. A fluid treatment device comprising

- a) a housing for receiving a flow of fluid, said housing comprising a fluid inlet and a fluid outlet;
- b) at least two UV sources disposed between said fluid inlet and said fluid outlet, said at least two UV sources being substantially parallel to one another; and
- c) a lower and an upper baffle wherein said lower baffle is longer than said upper baffle.

10. A fluid treatment device

- a) a housing for receiving a flow of fluid, said housing comprising a fluid inlet and a fluid outlet; and
- b) at least two UV sources disposed between said fluid inlet and said fluid outlet, said at least two UV sources being substantially parallel to one another, wherein a lowermost of said at least two UV sources is positioned relatively closer to bottom of said fluid treatment device than an uppermost of said at least two UV sources is to top of said fluid treatment device.

11. A fluid treatment device according to Claims 2 or 9 wherein said at least one baffle is disposed at an angle of between about 90 degrees to 20 degrees to the top and bottom wall of the UV reactor.